

## APPENDIX

## DATES FOR SIGNIFICANT EVENTS

<u>Date</u>	<u>Day in Test</u>	<u>Significant Event</u>
09/14/92	0	Granular sludge arrived at AAADRC
10/14/92	30	Start of sampling for UASBR's lab analyses
12/07/92	84	To date, UASBR's SSe reduction above 80%
03/19/93	176	Apparent failure of UASBR's Hypalon cone
04/29/93	227	UASBR shutdown due to cone failure
07/19/93	308	UASBR restart with bakery sludge after cone repair and other
08/19/93	339	UASBR shut down due to cone failure.
09/01/93	352	UASBR restart with digester sludge
10/18/93	399	Start of sampling for both FBRs' lab analyses
11/08/93	420	Start of sampling for both SSFs' lab analyses
01/03/94	476	Start of sampling for PBR's lab analyses
02/02/94	506	Restart of UASBR after power outage on Jan. 31.
06/01/94	625	Start of sampling for UA2's lab analyses
06/23/94	647	UASBR shut down to replace Hypalon cone with baffle.
07/13/94	667	UASBR's target methanol dosage at 230 mg/L as methanol
08/01/94	686	Plant's phosphate dosage change to 0.25 mg/L from 0.5 as P and UASBR's methanol dosage increased for target between 300 and 400 mg/L as meth.
11/02/94	779	End of testing for both SSFs
01/20/95	858	FBR1's influent rate lowered from 1 gpm to 0.5 gpm.
03/10/95	907	AAADRC operations shut down due to flooding
03/27/95	924	Restart of operations after flooding
07/07/95	1026	UASBR shut down to replace baffle with polyethylene cone
07/10/95	1029	Restart of UASBR
08/29/95	1079	Plant's phosphate dosage change to 1.3 mg/L as P
11/02/95	1144	Start of UA2 testing with drainage from Firebaugh Canal Water District
11/21/95	1163	End of all testing operations

## DEFINITION OF ABBREVIATIONS

Abbreviation	Definition
AAADRC	Adams Avenue Agricultural Drainage Research Center
FBR	Fluidized bed reactor
HDPE	High-density polyethylene
IC	Ion chromatography
PBR	Packed bed reactor
QC	Quality control
SSF	Slow sand filter
UA2	Pilot-scale upflow anaerobic sludge blanket reactor
UASBR	Upflow anaerobic sludge blanket reactor

### Chemical Constituents:

$\text{CaCO}_3$	Calcium carbonate
$\text{CH}_4\text{O}$	Methanol
DO	Dissolved oxygen
EC	Electrical conductivity
PSe or Pse	Particulate selenium
SSe or Sse	Soluble selenium
$\text{Se}^{+6}$	Selenate
$\text{Se}^{+4}$	Selenite
TDS	Total dissolved solids
TSe or Tse	Total selenium
TOC	Total organic carbon
TSS	Total suspended solids
VSS	Volatile suspended solids